

HISTORIC AMERICAN ENGINEERING RECORD  
INDEX TO PHOTOGRAPHS

HAER  
ID  
14-NAMPA,  
IB-

Boise Project,  
Deer Flat Embankments  
Lake Lowell  
Vicinity of Nampa  
Canyon County  
Idaho

HAER No. ID-17-B

Documentation: 40 contemporary photographs (1989) (4x5  
negatives and prints)  
4 contemporary aerial photographs (4x5  
negatives and prints)  
37 photographic copies of historic photographs  
(4x5 negatives and prints)  
6 photographic copies of construction drawings  
(microfiche negative and 8x10 prints)  
115 data pages (1991)

Clayton B. Fraser, Fraserdesign, photographer, November 1989

ID-17-B-1 OVERALL VIEW OF UPSTREAM FACE OF UPPER EMBANKMENT  
FROM WEST SHORELINE. VIEW TO NORTHEAST.

ID-17-B-2 OVERALL VIEW OF UPSTREAM FACE OF UPPER EMBANKMENT  
FROM EAST SHORELINE. VIEW TO NORTHWEST.

ID-17-B-3 OVERALL VIEW OF DOWNSTREAM FACE OF UPPER  
EMBANKMENT FROM WEST ABUTMENT. VIEW TO SOUTHEAST.

ID-17-B-4 UPSTREAM FACE OF UPPER EMBANKMENT. VIEW TO EAST.

ID-17-B-5 DETAIL OF UPSTREAM FACE OF UPPER EMBANKMENT,  
SHOWING HAND-PLACED ROCK RIPRAP AND MASONRY  
PARAPET WALL. VIEW TO NORTHEAST.

ID-17-B-6 CREST ROAD ON UPPER EMBANKMENT, SHOWING MASONRY  
UPSTREAM PARAPET WALL (LEFT) AND ENTRANCE TO DEER  
FLAT NAMPA CANAL HEADWORKS (ALSO LEFT). VIEW TO  
WEST.

ID-17-B-7 DETAIL OF COBBLESTONE MASONRY CORNER POST ON  
UPSTREAM PARAPET WALL OF UPPER EMBANKMENT. VIEW  
TO SOUTHEAST.

ID-17-B-8 DETAIL OF MASONRY WALL AND TYPICAL COBBLESTONE  
POST ON UPSTREAM PARAPET WALL OF UPPER EMBANKMENT.  
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ID-17-B-9	DETAIL OF DECORATIVE MORTAR AND COBBLESTONE WORK ON TYPICAL POST ON UPSTREAM PARAPET WALL OF UPPER EMBANKMENT. VIEW TO SOUTH.
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ID-17-B-11	HEADWORKS OF DEER FLAT NAMPA CANAL ON UPPER EMBANKMENT. VIEW TO WEST.
ID-17-B-12	HEADWORKS OF DEER FLAT NAMPA CANAL ON UPPER EMBANKMENT. VIEW TO SOUTHWEST.
ID-17-B-13	DETAIL OF CONCRETE TOWER AND SLIDE GATE LIFTING GEARS ON HEADWORKS OF DEER FLAT NAMPA CANAL ON UPPER EMBANKMENT. VIEW TO SOUTHWEST.
ID-17-B-14	DETAIL OF SLIDE GATE LIFTING GEARS ON HEADWORKS OF DEER FLAT NAMPA CANAL ON UPPER EMBANKMENT. VIEW TO SOUTHEAST.
ID-17-B-15	OUTLET OF DEER FLAT NAMPA CANAL ON DOWNSTREAM FACE OF UPPER EMBANKMENT. VIEW TO SOUTHWEST.
ID-17-B-16	DETAIL OF OUTLET OF DEER FLAT NAMPA CANAL ON DOWNSTREAM FACE OF UPPER EMBANKMENT (NOTE TWO FILLED-IN PORTALS). VIEW TO EAST.
ID-17-B-17	DEER FLAT NAMPA CANAL FROM OUTLET ON UPPER EMBANKMENT. VIEW TO NORTH.
ID-17-B-18	HEADWORKS OF DEER FLAT CALDWELL CANAL ON UPPER EMBANKMENT. VIEW TO SOUTHWEST.
ID-17-B-19	HEADWORKS OF DEER FLAT CALDWELL CANAL ON UPPER EMBANKMENT. VIEW TO SOUTHWEST.
ID-17-B-20	OUTLET (FOREGROUND) AND WEIR (BACKGROUND) OF DEER FLAT CALDWELL CANAL ON DOWNSTREAM FACE OF UPPER EMBANKMENT. VIEW TO NORTH.
ID-17-B-21	OVERALL VIEW OF UPSTREAM FACE OF MIDDLE EMBANKMENT. VIEW TO NORTHEAST.
ID-17-B-22	OVERALL VIEW OF UPSTREAM FACE OF LOWER EMBANKMENT FROM NORTHEAST SHORELINE. VIEW TO WEST.

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ID-17-B-23      OVERALL VIEW OF DOWNSTREAM FACE OF LOWER  
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ID-17-B-24      UPSTREAM FACE OF LOWER EMBANKMENT. VIEW TO  
NORTHEAST.

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SHOWING HANDPLACED ROCK RIPRAP AND MASONRY PARAPET  
WALL. VIEW TO NORTHEAST.

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UPSTREAM PARAPET WALL (RIGHT). VIEW TO NORTHEAST.

ID-17-B-27      DETAIL OF MASONRY CORNER POST ON UPSTREAM PARAPET  
WALL OF LOWER EMBANKMENT. VIEW TO EAST.

ID-17-B-28      DETAIL OF MASONRY WALL AND TYPICAL STONE POST ON  
UPSTREAM PARAPET WALL OF LOWER EMBANKMENT. VIEW  
TO EAST.

ID-17-B-29      HEADWORKS OF DEER FLAT LOW LINE CANAL ON LOWER  
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ENTRANCE TO BRIDGE. VIEW TO EAST.

ID-17-B-30      HEADWORKS OF DEER FLAT LOW LINE CANAL ON LOWER  
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ID-17-B-31      HEADWORKS OF DEER FLAT LOW LINE CANAL ON LOWER  
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ID-17-B-33      DETAIL OF SLIDE GATE LIFTING GEARS ON HEADWORKS OF  
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ID-17-B-34      OUTLET OF DEER FLAT LOW LINE CANAL ON DOWNSTREAM  
FACE OF LOWER EMBANKMENT. VIEW TO SOUTHEAST.

ID-17-B-35      CONCRETE STAIRWAY ABOVE OUTLET OF DEER FLAT LOW  
LINE CANAL ON DOWNSTREAM FACE OF LOWER EMBANKMENT.  
VIEW TO SOUTHEAST.

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- ID-17-B-36 HEADWORKS (IN SHED) OF DEER FLAT NORTH CANAL ON LOWER EMBANKMENT. VIEW TO EAST.
- ID-17-B-37 OUTLET OF DEER FLAT NORTH CANAL ON DOWNSTREAM FACE OF LOWER EMBANKMENT. VIEW TO SOUTHEAST.
- ID-17-B-38 DETAIL OF OUTLET OF DEER FLAT NORTH CANAL ON DOWNSTREAM FACE OF LOWER EMBANKMENT. VIEW TO SOUTHEAST.
- ID-17-B-39 INLET WORKS STRUCTURE TO LAKE LOWELL AT EAST DIKE. VIEW TO NORTHWEST.
- ID-17-B-40 EAST DIKE. VIEW TO NORTH.
- ID-17-B-41 AERIAL VIEW OF UPPER EMBANKMENT. VIEW TO SOUTH. Photocopy of photograph by Glade Walker, U.S. Bureau of Reclamation, Pacific Northwest Region, July 12, 1980.
- ID-17-B-42 AERIAL VIEW OF LOWER EMBANKMENT. VIEW TO SOUTHEAST. Photocopy of photograph by Glade Walker, U.S. Bureau of Reclamation, Pacific Northwest Region, n.d.
- ID-17-B-43 AERIAL VIEW OF LOWER EMBANKMENT. VIEW TO SOUTH. Photocopy of photograph by Glade Walker, U.S. Bureau of Reclamation, Pacific Northwest Region, n.d.
- ID-17-B-44 AERIAL VIEW OF LOWER EMBANKMENT. VIEW TO SOUTHWEST. Photocopy of photograph by Glade Walker, U.S. Bureau of Reclamation, Pacific Northwest Region, September 15, 1977.
- ID-17-B-45 Photographic copy of historic photo, April 14, 1906 (original print filed in Record Group 115, National Archives, Washington, D.C.). GENERAL VIEW OF LOWER DEER FLAT EMBANKMENT FROM NORTHERLY END SHOWING THREE OF THE CUT-OFF TRENCHES. CONTRACTOR'S CAMP (HUBBARD AND CARLSON) TO THE LEFT.
- ID-17-B-46 Photographic copy of historic photo, June 3, 1907 (original print filed in Record Group 115, National Archives, Washington, D.C.). "GREASY

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MARY" WORN OUT AND DESERTED, LOWER DEER FLAT EMBANKMENT.

- ID-17-B-47      Photographic copy of historic photo, June 3, 1907 (original print filed in Record Group 115, National Archives, Washington, D.C.). STEAM SHOVEL NO. 2 AT WORK ON LOWER EMBANKMENT, HUBBARD & CARLSON, CONTRACTORS.
- ID-17-B-48      Photographic copy of historic photo, June 3, 1907 (original print filed in Record Group 115, National Archives, Washington, D.C.). GRAVEL PIT, LOWER EMBANKMENT. STEAM SHOVEL IN DISTANCE LOADING CARS. TRAIN IN FOREGROUND RETURNING FROM [LOWER] EMBANKMENT. HUBBARD & CARLSON, CONTRACTORS.
- ID-17-B-49      Photographic copy of historic photo, June 3, 1907 (original print filed in Record Group 115, National Archives, Washington, D.C.). LOADING GRAVEL TO BE USED ON LOWER DEER FLAT EMBANKMENT, HUBBARD & CARLSON, CONTRACTORS.
- ID-17-B-50      Photographic copy of historic photo, April 14, 1906 (original print filed in Record Group 115, National Archives, Washington, D.C.). GRADER BEING HAULED BY TRACTION ENGINE AT LOWER DEER FLAT EMBANKMENT.
- ID-17-B-51      Photographic copy of historic photo, March 20, 1907 (original print filed in Record Group 115, National Archives, Washington, D.C.). LOWER DEER FLAT EMBANKMENT SHOWING GRAVEL ON LOWER FACE AND METHOD OF HAULING, PLACING AND SPREADING.
- ID-17-B-52      Photographic copy of historic photo, April 14, 1906 (original print filed in Record Group 115, National Archives, Washington, D.C.). WATER TANK NO. 1, RESERVOIR, SPRINKLING CART, AND CONCRETE GROOVED ROLLER AT LOWER DEER FLAT EMBANKMENT.
- ID-17-B-53      Photographic copy of historic photo, April 14, 1906 (original print filed in Record Group 115, National Archives, Washington, D.C.). CONCRETE GROOVED ROLLER WITH THE NECESSARY 6 HORSES, LOWER DEER FLAT EMBANKMENT.

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- ID-17-B-54      Photographic copy of historic photo, January 16, 1909 (original print filed in Record Group 115, National Archives, Washington, D.C.). LOWER DEER FLAT EMBANKMENT.
- ID-17-B-55      Photographic copy of historic photo, 1911 (original print filed in Record Group 115, National Archives, Washington, D.C.). U.S.R.S. CAMP FOR FORCE ACCOUNT CONSTRUCTION OUTFIT, INSTALLING FOREST PIPE LINE AND FACING LOWER DEER FLAT EMBANKMENT WITH GRAVEL.
- ID-17-B-56      Photographic copy of historic photo, 1911 (original print filed in Record Group 115, National Archives, Washington, D.C.). STEAM SHOVEL EXCAVATING GRAVEL FOR FACING LOWER DEER FLAT EMBANKMENT.
- ID-17-B-57      Photographic copy of historic photo, May 1908 (original print filed in Record Group 115, National Archives, Washington, D.C.). UPPER DEER FLAT EMBANKMENT; CAMP AND BUILDINGS.
- ID-17-B-58      Photographic copy of historic photo, April 14, 1907 (original print filed in Record Group 115, National Archives, Washington, D.C.). VIEW OF ONE OF THE CUT-OFF TRENCHES SHOWING MODE OF EXCAVATING. UPPER DEER FLAT EMBANKMENT.
- ID-17-B-59      Photographic copy of historic photo, April 25, 1907 (original print filed in Record Group 115, National Archives, Washington, D.C.). UPPER DEER FLAT EMBANKMENT. STEAM SHOVEL NO.1 AT WORK ON EASTERLY BORROW PIT. CLASS OF MATERIAL BEING EXCAVATED IS LARGELY SAND AND GRAVEL, WITH ENOUGH CLAY TO FORM A BOND BETWEEN SAND AND GRAVEL.
- ID-17-B-60      Photographic copy of historic photo, April 25, 1907 (original print filed in Record Group 115, National Archives, Washington, D.C.). UPPER DEER FLAT EMBANKMENT. STEAM SHOVEL NO.1 LOADING CARS IN EASTERLY BORROW PIT. CARS IN THIS TRAIN OF 12 NEARLY ALL LOADED. EIGHT MINUTES REQUIRED TO LOAD 12 CARS EQUAL TO 42 CU. YDS. PLACE MEASUREMENT.

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- ID-17-B-61      Photographic copy of historic photo, April 25, 1907 (original print filed in Record Group 115, National Archives, Washington, D.C.). UPPER DEER FLAT EMBANKMENT. VIEW FROM WESTERLY END LOOKING OVER EMBANKMENT UNDER CONSTRUCTION.
- ID-17-B-62      Photographic copy of historic photo, April 25, 1907 (original print filed in Record Group 115, National Archives, Washington, D.C.). UPPER DEER FLAT EMBANKMENT. VIEW FROM EASTERLY END OF EMBANKMENT UNDER CONSTRUCTION. TRAIN IN FOREGROUND RETURNING TO EASTERLY BORROW PIT. STEAM SHOVEL NO.2 IN DISTANCE AT WORK IN WESTERLY BORROW PIT.
- ID-17-B-63      Photographic copy of historic photo, April 25, 1907 (original print filed in Record Group 115, National Archives, Washington, D.C.). UPPER DEER FLAT EMBANKMENT. LOCOMOTIVE WITH TRAIN OF 12 CARS OF 4 CUBIC-YARDS CAPACITY EACH, DUMPING MATERIAL ON EMBANKMENT EXCAVATED FROM WESTERLY BORROW PIT.
- ID-17-B-64      Photographic copy of historic photo, July 1908 (original print filed in Record Group 115, National Archives, Washington, D.C.). TEAM MOVING TRACK ON [UPPER] DEER FLAT EMBANKMENT.
- ID-17-B-65      Photographic copy of historic photo, May 1908 (original print filed in Record Group 115, National Archives, Washington, D.C.). UPPER DEER FLAT EMBANKMENT; UPSTREAM FACE, SHOWING GRAVEL FACING AND METHOD OF PLACING.
- ID-17-B-66      Photographic copy of historic photo, June 3, 1907 (original print filed in Record Group 115, National Archives, Washington, D.C.). UPPER DEER FLAT EMBANKMENT. SPRINKLING MATERIAL PREPARATORY TO COMPACTING.
- ID-17-B-67      Photographic copy of historic photo, June 3, 1907 (original print filed in Record Group 115, National Archives, Washington, D.C.). UPPER DEER FLAT EMBANKMENT. ONE OF THE TRACTION ENGINES AND ROLLERS USED TO COMPACT MATERIAL PLACED IN EMBANKMENT. THE ENGINE WEIGHS 22 TONS, THE ROLLER 5 TONS. THIS WORK IS BEING DONE BY THE U.S. RECLAMATION SERVICE BY DAY'S WORK.

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- ID-17-B-68      Photographic copy of historic photo, June, 1912  
(original print filed in Record Group 115,  
National Archives, Washington, D.C.). INLET  
GATES, DEER FLAT RESERVOIR.
- ID-17-B-69      Photographic copy of historic photo, March 1913  
(original print filed in Record Group 115,  
National Archives, Washington, D.C.). OUTLET  
WORKS FOR DEER FLAT CALDWELL CANAL [UPPER  
EMBANKMENT].
- ID-17-B-70      Photographic copy of historic photo, August 1914  
(original print filed in Record Group 115,  
National Archives, Washington, D.C.). WATER SIDE  
UPPER EMBANKMENT. DEER FLAT RESERVOIR, SHOWING  
GATES AND DAM.
- ID-17-B-71      Photographic copy of historic photo, September  
1912 (original print filed in Record Group 115,  
National Archives, Washington, D.C.). DEER FLAT  
RESERVOIR. OUTLET GATES IN THE NORTH SIDE OF  
UPPER EMBANKMENT.
- ID-17-B-72      Photographic copy of historic photo, August 1914  
(original print filed in Record Group 115,  
National Archives, Washington, D.C.). SEBREE'S  
PARK. LAKE LOWELL, DEER FLAT RESERVOIR [UPPER  
EMBANKMENT].
- ID-17-B-73      Photographic copy of historic photo, September 25,  
1935 (original print filed in Record Group 115,  
National Archives, Washington, D.C.). UPSTREAM  
FACE OF DEER FLAT RESERVOIR [UPPER EMBANKMENT],  
SHOWING ERODED CONDITION.
- ID-17-B-74      Photographic copy of historic photo, September 25,  
1935 (original print filed in Record Group 115,  
National Archives, Washington, D.C.). GENERAL  
VIEW OF CCC CAMP AT DEER FLAT RESERVOIR, IDAHO.
- ID-17-B-75      Photographic copy of historic photo, September 25,  
1935 (original print filed in Record Group 115,  
National Archives, Washington, D.C.). CCC CREW  
WORKING ON ROAD AND QUARRY TO SUPPLY ROCK FOR RE-  
FACING DEER FLAT RESERVOIR DAM.



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- ID-17-B-76      Photographic copy of historic photo, ca. 1935,  
(original print filed in Record Group 115,  
National Archives, Washington, D.C.). CCC  
ENROLLEES PLACING ROCK RIPRAP ON UPSTREAM FACE OF  
DEER FLAT DAM TO PREVENT EROSION OF EARTH FILL BY  
WIND AND WAVE ACTION-BOISE FEDERAL RECLAMATION  
PROJECT-IDAHO.
- ID-17-B-77      Photographic copy of original construction drawing  
dated October 1909 (from microfiche located at  
Bureau of Reclamation, Denver, Colorado) SOUTH  
SIDE BOISE DIVISION: LOWER DEER FLAT EMBANKMENT.
- ID-17-B-78      Photographic copy of original construction drawing  
dated October 1909 (from microfiche located at  
Bureau of Reclamation, Denver, Colorado) SOUTH  
SIDE BOISE DIVISION: OUTLET FROM LOWER EMBANKMENT.
- ID-17-B-79      Photographic copy of original construction drawing  
dated October 1909 (from microfiche located at  
Bureau of Reclamation, Denver, Colorado) SOUTH  
SIDE BOISE DIVISION: DETAIL OF CANOPY AND BRIDGE  
[LOWER EMBANKMENT].
- ID-17-B-80      Photographic copy of original construction drawing  
dated October 1909 (from microfiche located at  
Bureau of Reclamation, Denver, Colorado) SOUTH  
SIDE BOISE DIVISION: UPPER DEER FLAT EMBANKMENT.
- ID-17-B-81      Photographic copy of original construction drawing  
dated October 1909 (from microfiche located at  
Bureau of Reclamation, Denver, Colorado) SOUTH  
SIDE BOISE DIVISION: EAST END OUTLET FROM UPPER  
EMBANKMENT.
- ID-17-B-82      Photographic copy of original construction drawing  
dated October 1909 (from microfiche located at  
Bureau of Reclamation, Denver, Colorado) SOUTH  
SIDE BOISE DIVISION: WEST END OUTLET FROM UPPER  
EMBANKMENT.

Photographs 77 through 82 are 8X10 enlargements of 4X5 negatives.